

second keying material.

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		What is claimed is:
SUB	AT	A method comprising:
	2	authenticating a user of a platform during a Basic Input/Output System (BIOS)
	3	boot process;
	4	releasing a first keying material from a token communicatively coupled to the
	5	platform in response to authenticating the user;
	6	combining the first keying material with a second keying material internally
	7	stored within the platform in order to produce a combination key; and
	8	using the combination key to decrypt a second BIOS area to recover a second
	9	segment of BIOS code.
	1	2. The method of claim 1 further comprising:
	2	continuing the BIOS boot process.
	1	3. The method of claim 1, wherein prior to authenticating the user, the
	2	method comprises:
	3	loading a BIOS code including a first BIOS area and a second BIOS area, the
	4	first BIOS area being an encrypted first segment of the BIOS code and the second
	5	BIOS area being an encrypted second segment of the BIOS code.
	1	4. The method of claim 3, wherein after loading of the BIOS code, the
	2	method further comprises:
	3	decrypting the first BIOS area to recover the first segment of the BIOS code.
	1	5. The method of claim 1 further comprising:
	2	unbinding keying material associated with a non-volatile storage device to
	3	access contents stored within the non-volatile storage device.
	1	6. The method of claim 1 wherein the combination key is a value formed
	2	by performing an exclusive OR operation on both the first keying material and the

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1	7.\	The method of claim 1, wherein authentication of the user is performed
2	through biome	etrics.

- The method of claim 1, wherein the second keying material is stored 1 2 within internal memory of a trusted platform module.
- 9. The method of claim 1, wherein the second keying material is stored 1 within a section of access-controlled system memory of the platform. 2
- 10. The method of claim 1, wherein prior to authenticating the user, the 1 2 method comprises:
 - loading a BIOS code including a first BIOS area being a first segment of the BIOS code encrypted using a selected keying material; and
 - loading an integrity metric including a hash value of an identification information of the platform.
- The method of claim 1, wherein the identification information includes a 1 11. serial number of an integrated circuit device employed within the platform. 2
 - An integrated circuit device comprising:
- 2 a boot block memory unit; and
- a trusted platform module communicatively coupled to the boot block memory 3 unit, the trusted platform module to produce a combination key by combining a first 4
- incoming keying material with a second keying material internally stored within the 5
- integrated circuit and to decrypt a second BIOS area to recover a second segment of 6 7 BIOS code.
- The integrated circuit device of claim 12, wherein the boot block 1 13. memory unit to load a BIOS code including a first BIOS area and a second BIOS area, 2 the first BIOS area being an encrypted first segment of the BIOS code and the second 3 BIOS area being an encrypted second segment of the BIOS code. 4
- The integrated circuit device of claim 13, wherein the trusted platform 1 14. module to decrypt the first BIOS area to recover a first segment of the BIOS code. 2

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code.

1	A platform comprising:				
2	an input/output control hub (ICH);				
3	a non-volatile memory unit coupled to the ICH, the non-volatile memory unit				
4	including a BIOS code including a first BIOS area and a second BIOS area, the first				
5	BIOS area being an encrypted first segment of the BIOS code and the second BIOS				
6	area being an encrypted second segment of the BIOS code; and				
7	a trusted platform module coupled to the ICH, the trusted platform module to				
8	produce a combination key by combining a first incoming keying material with a				
9	second keying material internally stored within the platform and to decrypt the second				
10	BIOS area to recover the second segment of BIOS code.				
1	16. The platform of clarm 15, wherein the trusted platform module to further				
2	decrypt the first BIOS area to recover the first segment of the BIOS code in an non-				
3	encrypted format.				
1	17. The platform of claim 15 further comprising a hard disk drive coupled to				
2	the ICH.				
1	18. The platform of claim 17, wherein the trusted platform module to further				
2	unbind keying material associated with the hard disk drive to access contents stored				
3	within the hard disk drive.				
1	19. A program loaded into readable memory for execution by a trusted				
2	platform module of a platform, the program comprising:				
3	code to decrypt a first Basic Input/Output System (BIOS) area to recover a first				
4	segment of BIOS code;				
5	code to produce a combination key by combining a first incoming keying				
6	material with a second keying material internally stored within the tusted platform				
7	module: and				

code to decrypt a second BIOS area to recover a second segment of the BIOS

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20.\ The program of claim 19, wherein the first BIOS area is the first
egment of the BIOS code encrypted with a keying material and the second BIOS area
the second segment of the BIOS code encrypted with the combination key.

21. The program of claim 19 further comprising:
code to unbind keying material associated with a non-volatile storage device for accessing contents stored within the non-volatile storage device.